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A Colour Guide

Trees & Forests

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Description:

Trees are one of the dominant features of our existence on earth and play a fundamental role in the environment. This book aims to give the reader an overview and understanding of trees. Subject areas covered include ecology and conservation, tree anatomy and evolution, pathology, silviculture, propagation and surgery. The different chapters cover trees from habitats around the world, from northern boreal and montane coniferous forests to tropical and subtropical rainforests. The book is fully illustrated throughout with the highest quality colour photos. It will be useful to professionals and students in plant science, plant biology, ecology, conservation and to those working in forestry and arboriculture.

Contents:

Contents
Section 1: Introduction to Woody Habit
Section 2: World Distribution of Forests
Northern boreal and montane coniferous forests
Temperate rain and deciduous forests
Temperate mixed evergreen forests
Tropical and sub-tropical rain and dry forests
Section 3: Tree Morphology, Anatomy and Histology
Section 4: Tree Pathology
Cell wall polymers and infection
The effect of fungal bacterial and viral pathogens on important plantation and forest trees
Insect or other infestations of important plantation and forest trees
Section 5: Forest Ecology and Management, Tree Surgery, Propagation and Conservation
General forest ecological processes
Silvicultural systems and management
Tree pruning and surgery
Tree propagation for forestry and arboriculture
Forest and woodland conservation
Index

288 pp
261 x 194mm
600 Illustrations, colour and 15 Tables,
unspecified
Hardback
ISBN: 978-1-84076-085-9
Price: £60.00
Publication: January 2010

Subject:

Forestry & silviculture: practice & techniques

Readership:

Professionals and students in plant science, plant biology, ecology, conservation, forestry and arboriculture

Key Features:

- Includes ecology and conservation, tree anatomy and evolution, pathology, silviculture, propagation and surgery
- Chapters cover trees from all different habitats around the world
- Highest quality colour photos

Well written, very readable, and accessible to the general reader, while summarising some serious scientific issues... lavishly illustrated... the quality of the photographs is very good... a book that will be very useful for students of economic botany in particular and as an introduction to forestry, arboriculture and conservation.

J. R. Barnett, Annals of Botany,
1/07//2010